



EASTERN UNIVERSITY SRI LANKA
FIRST YEAR, SECOND SEMESTER EXAMINATION IN
AGRICULTURE- 2002/2003
ASC - 1201 FUNCTIONAL ANATOMY AND PHYSIOLOGY OF FARM
ANIMALS
END SEMESTER EXAMINATION

Answer all question

Time: Two hour

1. a) Describe the digestion of carbohydrates in ruminant stomach (50)
b) Briefly discuss the humoral immune response in animal (50)
2. Write short notes on
 - a) The process of respiration (30)
 - b) Transmission of a nerve impulse (30)
 - c) Process of milk letdown in the cow mammary gland (40)
3. a) Describe the changes that take place in the germ cells (spermatogonia) during different stages of spermatogenesis (50)
b) Explain the mechanism of parturition (50)
4. Explain in detail the morphological, physiological and endocrinological changes that take place in the female reproductive system during the estrus cycle in a cow (100)